## **AMENDMENTS TO THE CLAIMS**

1	1.	(Original)	A method of debugging an application program from a		
2	workstation,	wherein the ap	plication program resides on a server that is remote from the		
3	workstation, the method comprising:				
4	invoking the application program from the workstation via a network interface;				
5	displaying a user frame at the workstation that includes information generated by the				
6	application program;				
7	providing a debug view option at the workstation for generating a debug frame of the				
8	application program; and				
9	displaying the debug frame at the workstation when the debug view option is selected,				
10	wherein the debug frame includes information about one or more components of				
11	the application program.				
1	2.	(Original)	The method of Claim 1 further comprising:		
2		` ' '	w option at the workstation for generating the user frame; and		
3	-	Ü	frame when the user view option is selected.		
	<b>-</b>	, 6	•		
1	3.	(Original)	The method of Claim 1 wherein displaying the debug frame at the		
2	workstation	includes provid	ling a list of variable names in the application program.		
1	4.	(Original)	The method of Claim 3 wherein displaying the debug frame at the		
2	workstation:	includes provid	ling at least one of: a list of request information variable names in the		
3	application p	orogram, or a li	st of session information variable names in the application program.		
	_				
1	5.	(Original)	The method of Claim 3, wherein one or more of the variable names		
2	represents a corresponding object, the method further comprising:				
3	selecting one of the variable names; and				
4	providing information about the object corresponding to the variable name on the debug				
5		frame.			

1	6.	(Original)	The method of Claim 5 wherein the information about the object		
2	includes at le	east one of: the	fields of the object, the methods associated with the object, or the		
3	constructors associated with the object.				
1	7.	(Original)	A computer readable storage media comprising:		
2	comp	outer instruction	ns to implement the method of claim 1.		
1	8.	(Original)	A signal in a carrier medium comprising:		
2	comp	outer instruction	ns to implement the method of claim 1.		
1	9.	(Original)	A method of debugging an application program from a		
2	workstation, wherein the application program resides on a server that is remote from the				
3	workstation, the method comprising:				
4	executing the application program on the server when the application program is invoked				
5		from the wor	kstation;		
6 -	generating information for a user frame at the workstation that includes information				
7	generated by the application program; and				
8	generating information for a debug frame at the workstation when a debug view option is				
9		selected from	n the workstation, wherein the debug frame includes information		
10		about compo	onents of the application program.		
1	10.	(Original)	The method of Claim 9 wherein generating information for the		
2	debug frame includes saving the information for the user frame when the debug view option is				
3	selected.				
1	11.	(Original)	The method of Claim 10 further comprising restoring the saved		
2	information for the user frame when a user view option is selected at the workstation.				
1	12.	(Original)	The method of Claim 9 wherein generating information for the		
2	debug frame includes generating a list of components of the application program.				
1	13.	(Original)	The method of Claim 9 wherein generating information for the		
2	debug frame	includes gener	rating at least one of: a list of variables in the application program, a		

list of methods associated with one or more of the variables in the application program, or a list 3 of constructors associated with one or more of the variables in the application program. 4 14. (Original) The method of Claim 9 wherein generating information for the 1 debug frame includes using reflection technology to generate at least one of: a list of variables in 2 the application program, a list of methods associated with one or more of the variables, and a list 3 of constructors associated with one or more of the variables. 4 A computer readable storage media comprising: 15. 1 (Original) 2 computer instructions to implement the method of claim 9. 16. A signal in a carrier medium comprising: 1 (Original) computer instructions to implement the method of claim 9. 2 17. An apparatus for debugging an application program from a 1 (Original) workstation, wherein the application program resides on a server that is remote from the 2 3 workstation, the method comprising: means for invoking the application program from the workstation; 4 means for presenting a user frame at the workstation that includes information generated 5 6 by the application program; means for presenting a debug view option at the workstation to generate a debug frame of 7 the application program; and 8 9 means for presenting the debug frame at the workstation when the debug view option is 10 selected. The apparatus of Claim 17 further comprising: 1 18. (Original) 2 means for presenting a user view option at the workstation for generating the user frame; 3 and means for presenting the user frame when the user view option is selected. 4

workstation includes presenting a list of components of the application program.

The apparatus of Claim 17 wherein the debug frame at the

1

2

19.

(Original)

1	20. (Original) The apparatus of Claim 17, wherein one or more of the				
2	components represents a corresponding object, the apparatus further comprising:				
3	means for selecting one of the objects; and				
4	means for presenting information about the selected object, wherein the information				
5	about the object includes at least one of: the name of the object, the fields of the				
6	object, the methods associated with the object, or the constructors associated with				
7	the object.				
1	21. (Original) An apparatus for debugging an application program from a				
2	workstation, wherein the application program resides on a server that is remote from the				
3	workstation, the method comprising:				
4	means for executing the application program on the server when the application program				
5	is invoked from the workstation;				
6	means for generating information for a user frame at the workstation that includes				
7	information generated by the application program; and				
8	means for generating information for a debug frame at the workstation when a debug				
9	view option is selected from the workstation, wherein the debug frame includes				
10	information about components of the application program.				
1	22. (Original) The apparatus of Claim 21 wherein the means for generating				
2	information for the debug frame includes means for saving the information for the user frame				
3	when the debug view option is selected.				
1	23. (Original) The apparatus of Claim 22 further comprising means for restoring				
2	the saved information for the user frame when a user view option is selected at the workstation.				
1	24. (Original) The apparatus of Claim 21 wherein the means for generating				
2	information for the debug frame includes means for generating a list of objects in the application				
3	program.				
1	25. (Original) The apparatus of Claim 24 wherein the means for generating				
2	information for the debug frame includes at least one of: means for generating a list of methods				

3	associated with one of more of the objects in the application program, of means for generating a				
4	list of constru	ctors associate	ed with one or more of the objects in the application program.		
1	26.	(Original)	The apparatus of Claim 24 wherein the means for generating		
2	information f	or the debug fr	rame includes using reflection technology to generate at least one of:		
3	a list of object	ts in the applic	eation program, a list of methods associated with one or more of the		
4	objects, and a	list of constru	ctors associated with one or more of the objects.		
1	27.	(Original)	The apparatus of Claim 24 further comprising:		
2	means for providing the list of objects to the workstation when the debug view option is				
3		selected at th	ne workstation.		
1	28.	(Original)	The apparatus of Claim 25 further comprising:		
2	mean	s for providing	at least one of: a list of names of the objects, a list of fields of at		
3		least one of t	the objects, a list of values of at least one of the objects, the list of		
4		methods asso	ociated with at least one of the objects, or the list of constructors		
5		associated w	ith at least one of the objects.		
1	29.	(Original)	A system for debugging an application program from a		
2	workstation,	wherein the ap	plication program resides on a server that is remote from the		
3	workstation,	the system con	nprising:		
4	a use	interface oper	rable to:		
5		allow a user	to invoke the application program from the workstation;		
6		present a use	er frame at the workstation that includes information generated by the		
7		appli	cation program;		
8		present a del	oug view option to generate a debug frame of the application		
9		progr	ram; and		
10		present the d	lebug frame at the workstation when the debug view option is		
11		selec	ted.		
1	30.	(Original)	The system of Claim 29 wherein the user interface is further		
2	operable to:				
3	nrece	nt a user view	ontion at the workstation; and		

4	prese	nt the user fran	ne when the user view option is selected.
1	31.	(Original)	The system of Claim 29 wherein the debug frame at the
2	workstation i	includes a list o	f one of more components of the application program.
1	32.	(Original)	The system of Claim 29 wherein the application program generates
2	instructions a	and information	for displaying a web page at the user interface.
1	33.	(Original)	The system of Claim 29 wherein the user interface is a web
2	browser oper	able to commu	nicate with the server.
1	34.	(Original)	The system of Claim 31 further wherein the user interface is
2	operable to p	resent addition	al information about at least one of the components when the
3	component is	s selected by th	e user.
1	35.	(Original)	The system of Claim 34, wherein the additional information
2	includes at le	east one of: the	name of the component, the fields of the component, the methods
3	associated w	ith the compon	ent, or the constructors associated with the component.
1	36.	(Original)	A system for debugging an application program from a
2	workstation,	wherein the ap	plication program resides on a server that is remote from the
3	workstation,	the system cor	nprising:
4	mean	s for executing	the application program on the server when the application program
5		is invoked fr	om the workstation;
6	mean	s for generatin	g information for a user frame at the workstation that includes
7		information	generated by the application program; and
8	a deb	ougger program	operable to generate information for a debug frame at the
9		workstation	when a debug view option is selected from the workstation, wherein
10		the debug fra	ame includes information about components of the application
11		program.	
1	37.	(Original)	The system of Claim 36 wherein the debugger program is operable
2	to save the in	nformation for	the user frame when the debug view option is selected.

- 1 38. (Original) The system of Claim 37 wherein the debugger program is operable
- 2 to restore the saved information for the user frame when a user view option is selected at the
- 3 workstation.
- 1 39. (Original) The system of Claim 36 wherein the debugger program is operable
- 2 to generate a list of objects in the application program.
- 1 40. (Original) The system of Claim 39 wherein the debugger program is operable
- 2 to generate at least one of: a list of methods associated with one or more of the objects in the
- 3 application program, or a list of constructors associated with one or more of the objects in the
- 4 application program.
- 1 41. (Original) The system of Claim 36 wherein the debugger program is operable
- 2 to use reflection technology to generate at least one of: a list of objects in the application
- 3 program, a list of methods associated with one or more of the objects, and a list of constructors
- 4 associated with one or more of the objects.
- 1 42. (Original) The system of Claim 36 wherein the application program generates
- 2 instructions and information for displaying a web page.
- 1 43. (Original) The system of Claim 36 wherein the server is operable to
- 2 communicate with a web browser program at the workstation.
- 1 44. (Original) The system of Claim 36 wherein the application program accesses
- 2 at least one of: internal code, private code, or public code.